

TECHNICAL DATA SHEET

Alkyne PEG hydrazide

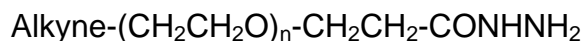
Catalog Numbers: PG2-AKHZ-600, 1k, 2k, 3k, 5k, 10k, 20k.

Synonym: Hydrazide PEG Alkyne

Description:

Alkyne PEG Hydrazide is one of Nanocs Click Chemistry PEG derivatives that can react with **aldehyde** or **ketone** groups derived from polysaccharides or glycoproteins. Hydrazide reacts readily with aldehyde or ketone to form a stable hydrazone linkage, which is more stable than the Schiff base formed between amine and aldehyde group. Reaction between hydrazide and carbonyl group allows the attachment of PEG alkyne to targeted molecules and other materials quickly and efficiently. Attached alkyne group can be used to react with azide group via Click Chemistry. PEG linker between alkyne and hydrazide group offers better water solubility, flexible linker structure and enhanced stability.

Product Structure:



Product Specifications:

- Composition: **Alkyne PEG hydrazide.**
- Appearance: White/off-white solid, semi-solid depends on molecular weight.
- Solubility: 10 mg/mL, clear in water and DMSO.
- Reactive groups: Alkyne and hydrazide.
- Reactive to: Azide and Aldehyde.

Handling and Use:

Alkyne PEG hydrazide is relatively stable in low temperature. For best use, material should always be kept in low temperature in dry condition. Prepare fresh solution right before use. Avoid frequent thaw and freezing. For more information about using this product, visit www.nanocs.net.

Storage Conditions:

Hydrazide PEG Alkyne should be stored at 4~8 °C. Desiccate. Materials may be handled under inert gas for best stability. Re-test material after 12 months.

This product is for research use only and is not intended for use in humans or for diagnostic use.

To Order:

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Order by phone: 1(800) 388-4221; 1(888) 908-8803

For more information, visit www.nanocs.net